

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011924\
 Data File : VX039863.D
 Acq On : 20 Jan 2024 01:02
 Operator : JC/MD
 Sample : PB158526ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB158526ZHE#06

Quant Time: Jan 20 03:56:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

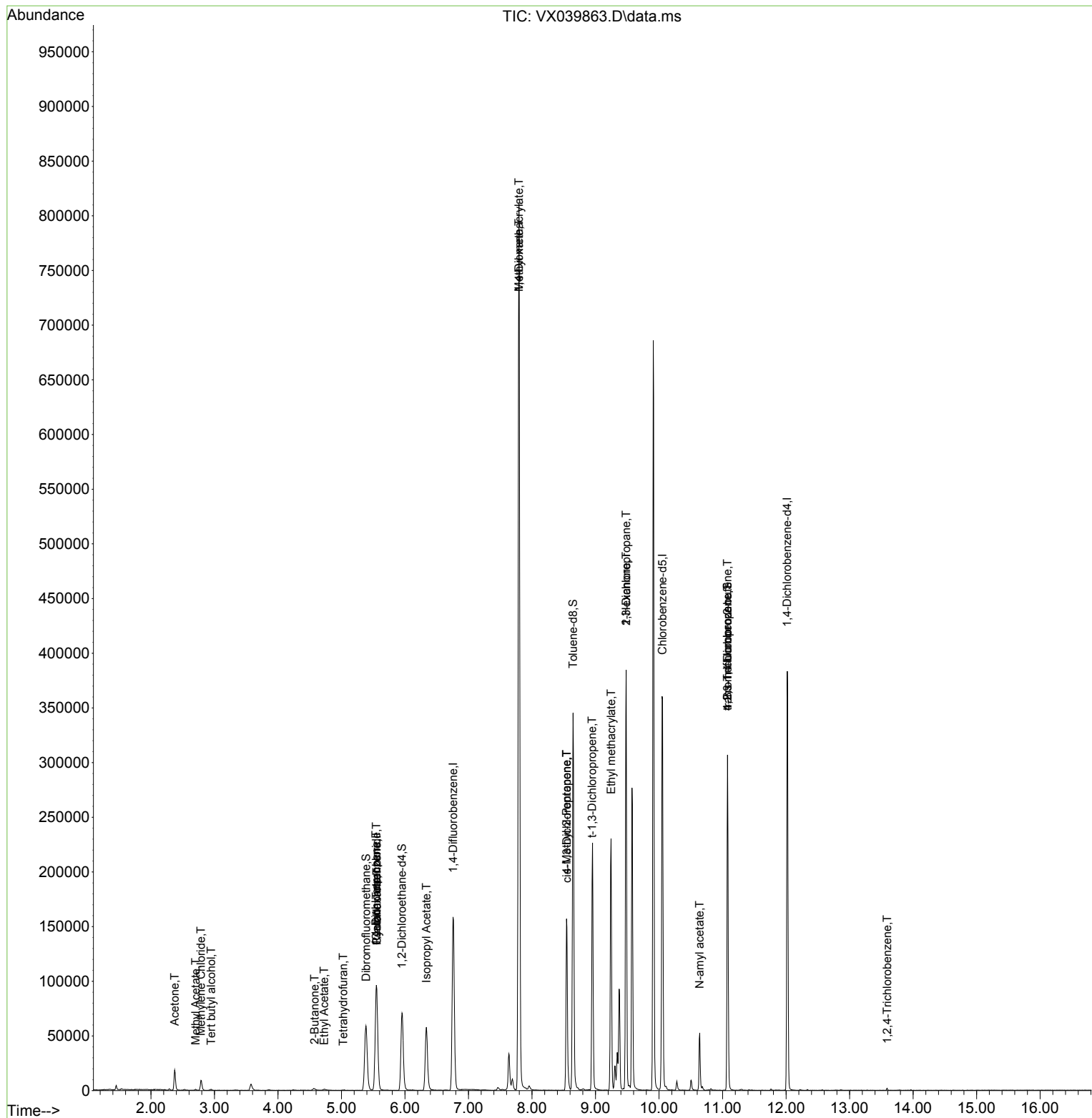
Internal Standards						
1) Pentafluorobenzene	5.556	168	84914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68268	47.994	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.980%		
35) Dibromofluoromethane	5.385	113	52224	49.506	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.020%		
50) Toluene-d8	8.647	98	197025	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.040%		
62) 4-Bromofluorobenzene	11.079	95	79042	50.803	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.600%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	818	2.209	ug/l #	78
16) Acetone	2.374	43	19367	24.210	ug/l	95
18) Methyl Acetate	2.703	43	1044	0.624	ug/l #	75
20) Methylene Chloride	2.788	84	3888	3.213	ug/l	92
25) 2-Butanone	4.574	43	2385	2.075	ug/l #	89
29) Tetrahydrofuran	5.025	42	171	0.231	ug/l #	34
31) Cyclohexane	5.556	56	2355	1.254	ug/l #	17
36) 1,1-Dichloropropene	5.544	75	8091	4.927	ug/l #	50
37) Ethyl Acetate	4.727	43	1902	0.868	ug/l #	88
38) Carbon Tetrachloride	5.550	117	9010	5.991	ug/l #	15
43) Isopropyl Acetate	6.336	43	79603	24.772	ug/l	100
48) Methyl methacrylate	7.793	41	72983	46.205	ug/l #	50
49) 1,4-Dioxane	7.793	88	18	0.589	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	58138	26.269	ug/l #	51
53) t-1,3-Dichloropropene	8.945	75	453	0.268	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	23413	12.576	ug/l #	62
56) Ethyl methacrylate	9.244	69	538	0.281	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3254	1.624	ug/l #	42
59) 2-Hexanone	9.482	43	47360	27.038	ug/l #	51
74) N-amyl acetate	10.640	43	13971	4.492	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	44086	22.692	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44086	65.626	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	458	0.298	ug/l	77

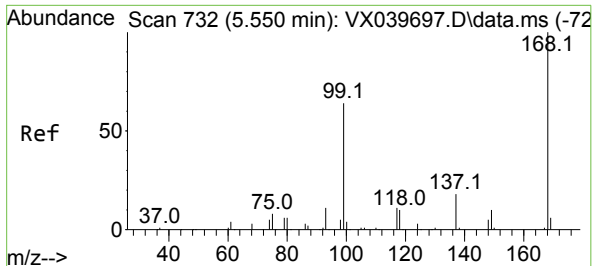
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
PB158526ZHE#06

Quant Time: Jan 20 03:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
Response via : Initial Calibration

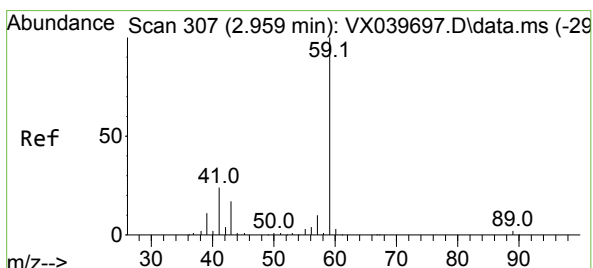
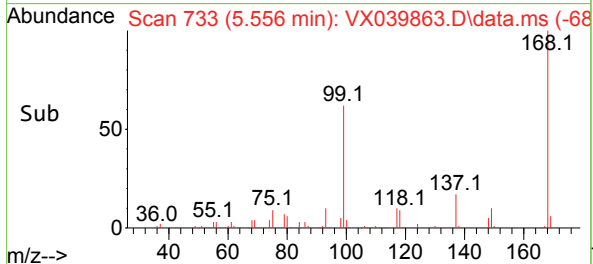
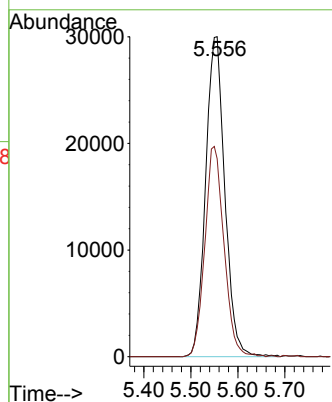
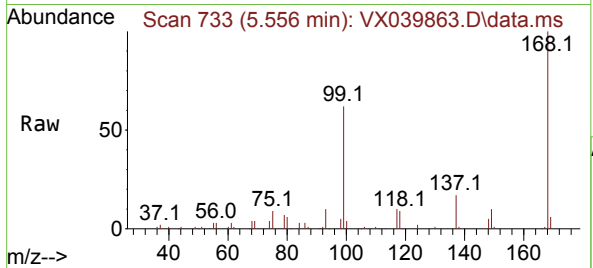




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

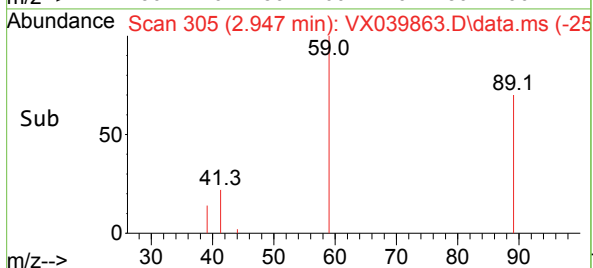
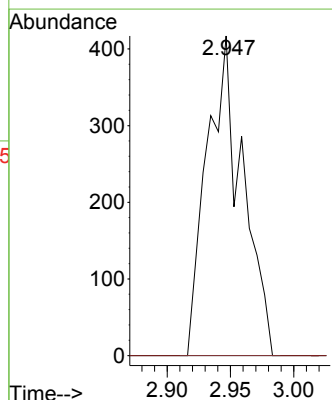
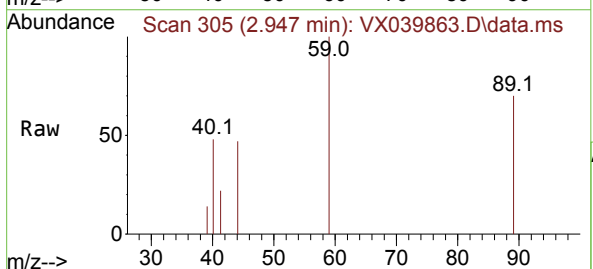
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

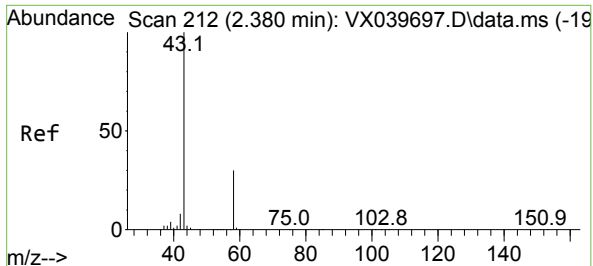
Tgt Ion:168 Resp: 84914
Ion Ratio Lower Upper
168 100
99 61.9 56.6 85.0



#11
Tert butyl alcohol
Concen: 2.209 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 59 Resp: 818
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

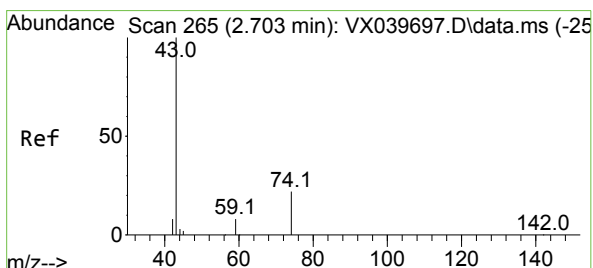
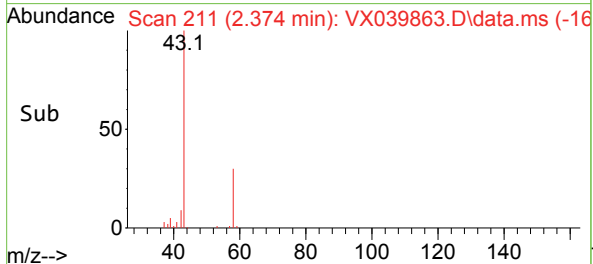
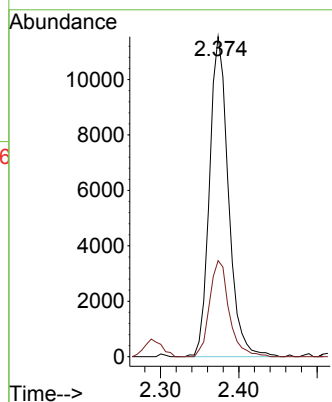
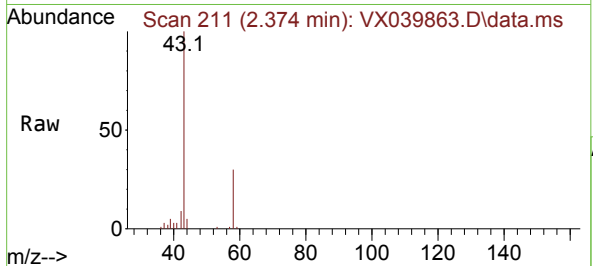




#16
Acetone
Concen: 24.210 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

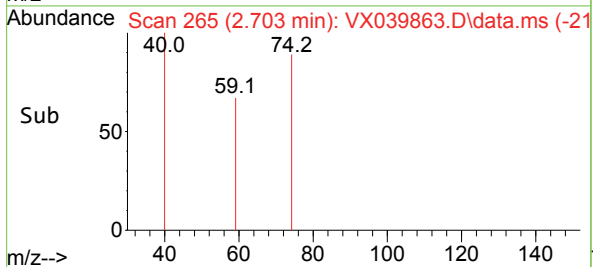
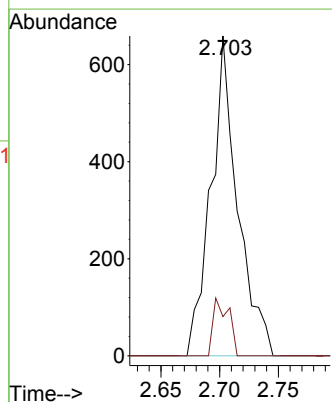
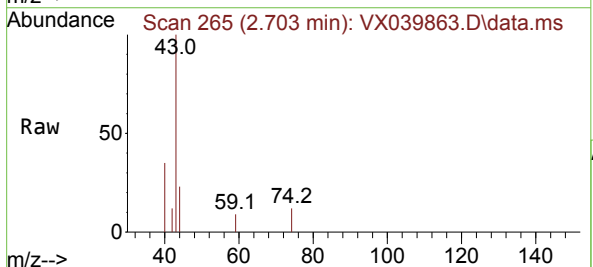
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

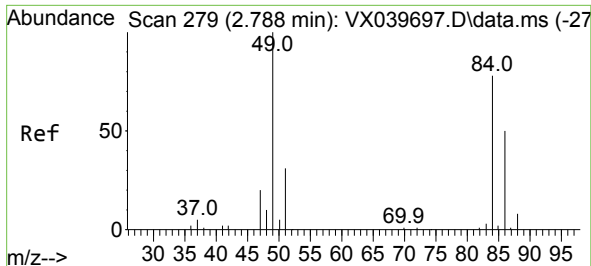
Tgt Ion: 43 Resp: 19367
Ion Ratio Lower Upper
43 100
58 30.0 21.9 32.9



#18
Methyl Acetate
Concen: 0.624 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

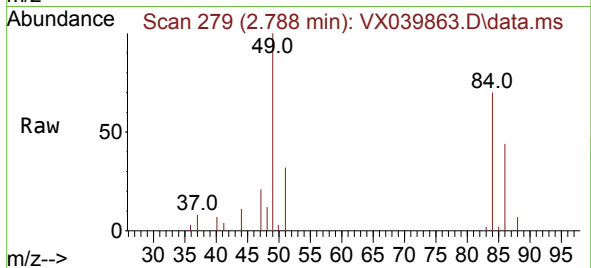
Tgt Ion: 43 Resp: 1044
Ion Ratio Lower Upper
43 100
74 10.4 17.8 26.8#



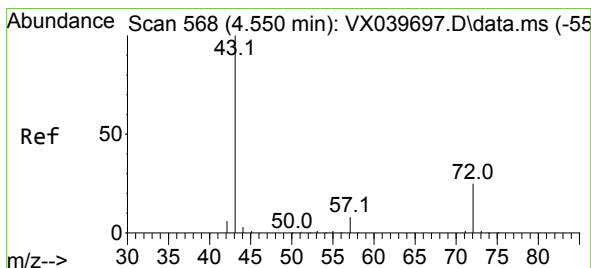
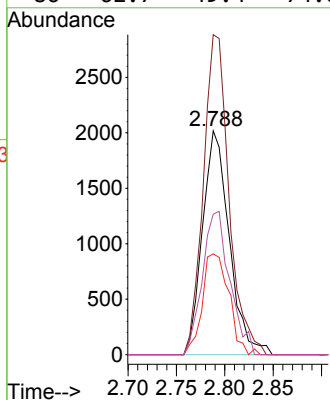


#20
Methylene Chloride
Concen: 3.213 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

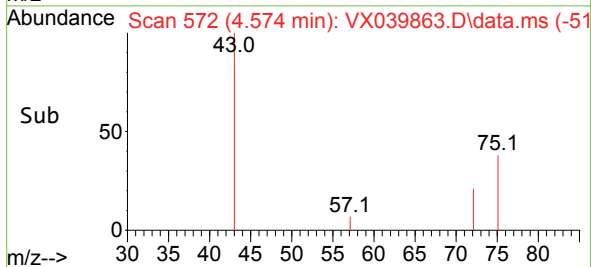
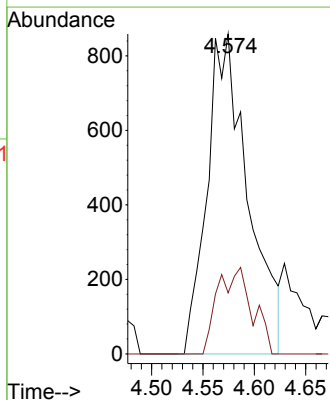
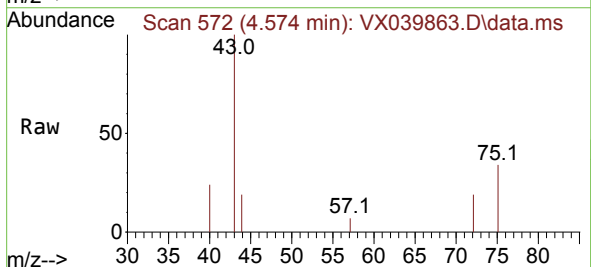


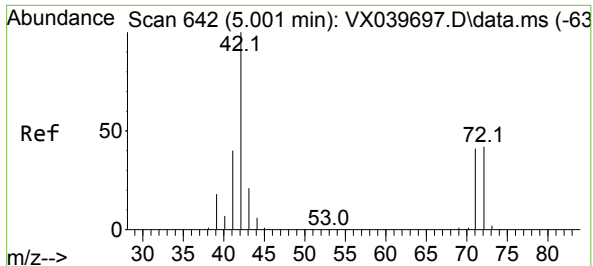
Tgt Ion:	84	Resp:	3888
Ion	Ratio	Lower	Upper
84	100		
49	143.0	103.6	155.4
51	45.0	33.8	50.6
86	62.7	49.4	74.0



#25
2-Butanone
Concen: 2.075 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion:	43	Resp:	2385
Ion	Ratio	Lower	Upper
43	100		
72	19.1	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.231 ug/l

RT: 5.025 min Scan# 642

Delta R.T. 0.024 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#06

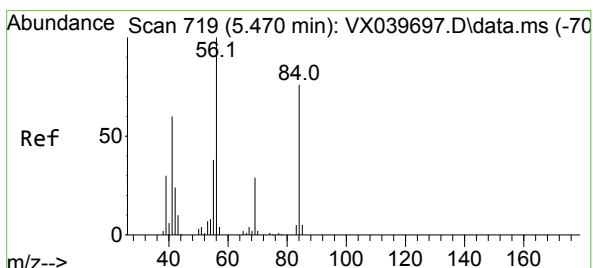
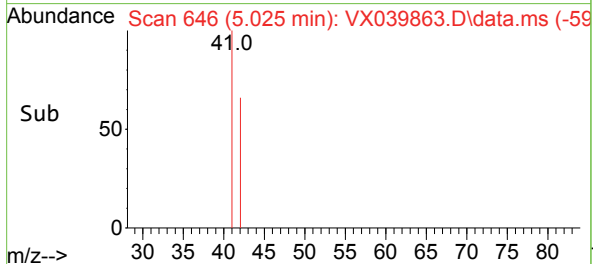
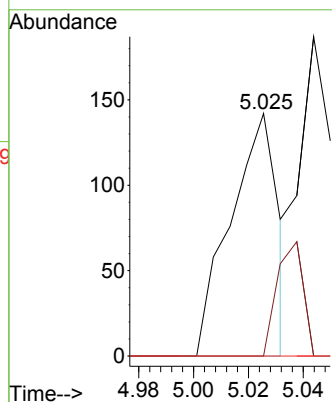
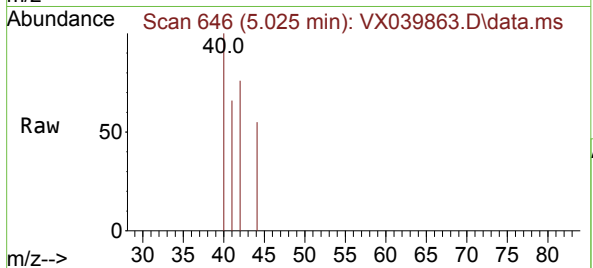
Tgt Ion: 42 Resp: 171

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

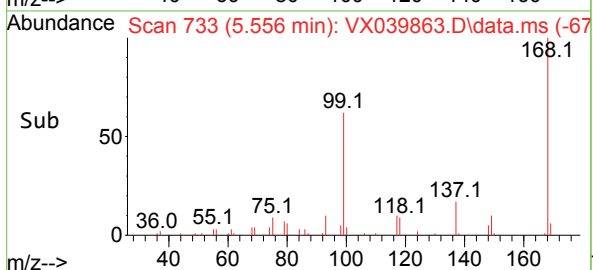
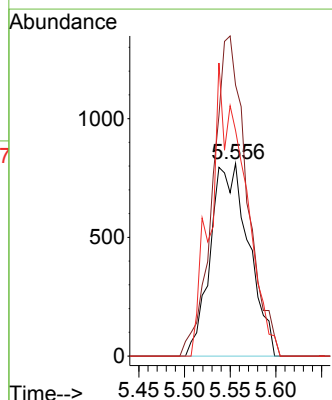
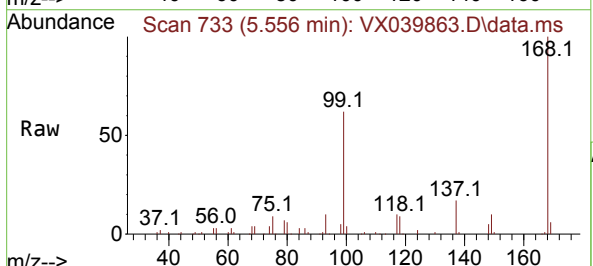
Tgt Ion: 56 Resp: 2355

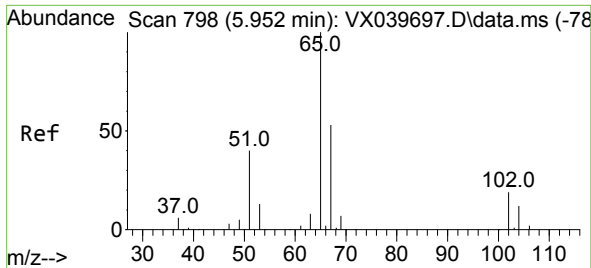
Ion Ratio Lower Upper

56 100

69 140.7 23.4 35.2#

84 117.1 65.9 98.9#

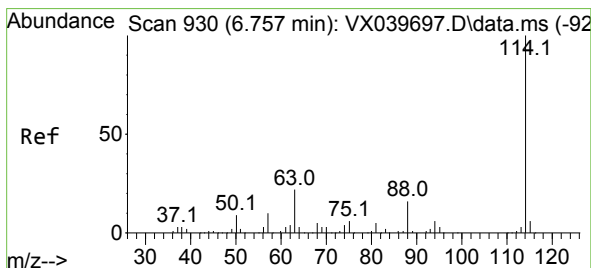
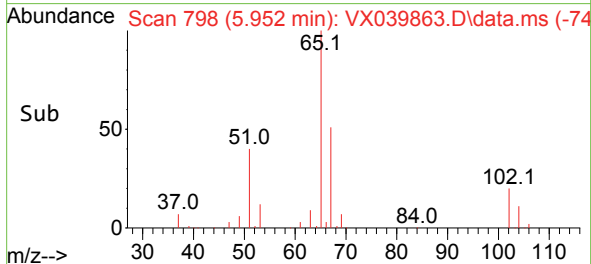
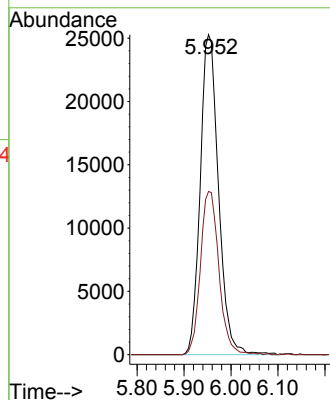
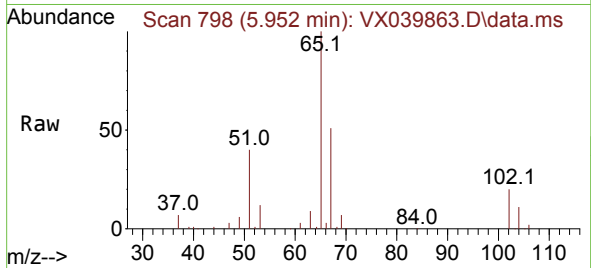




#33
 1,2-Dichloroethane-d4
 Concen: 47.994 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX039863.D
 Acq: 20 Jan 2024 01:02

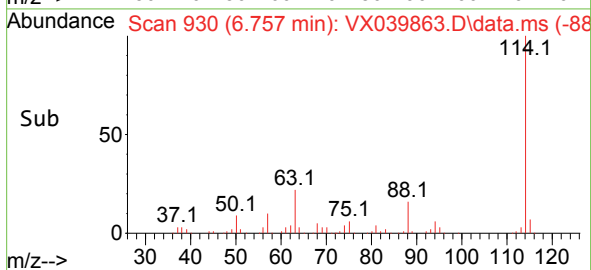
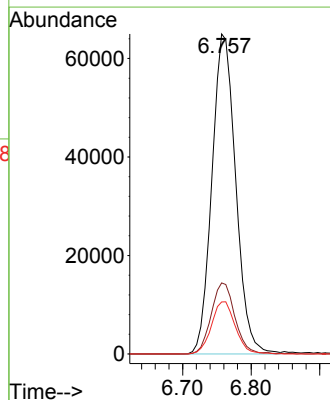
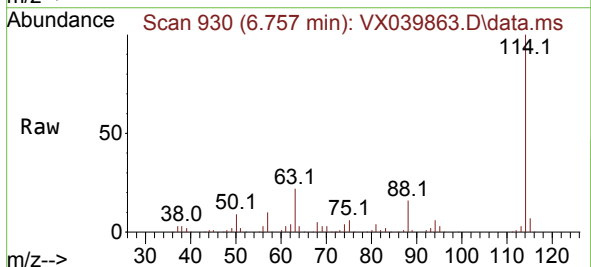
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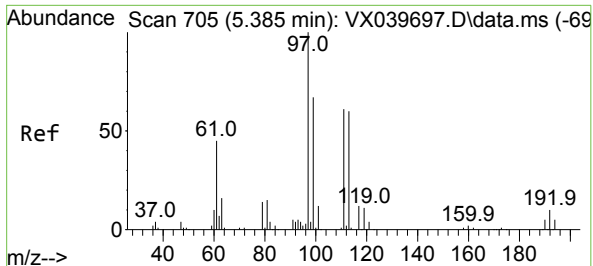
Tgt Ion: 65 Resp: 68268
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: VX039863.D
 Acq: 20 Jan 2024 01:02

Tgt Ion: 114 Resp: 156621
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.2 0.0 36.6

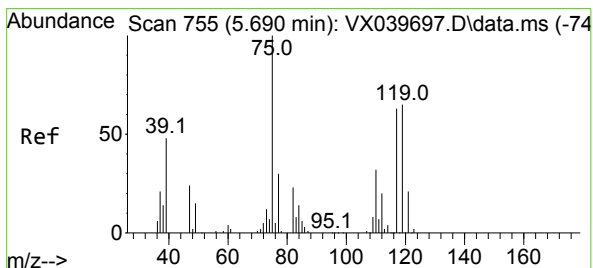
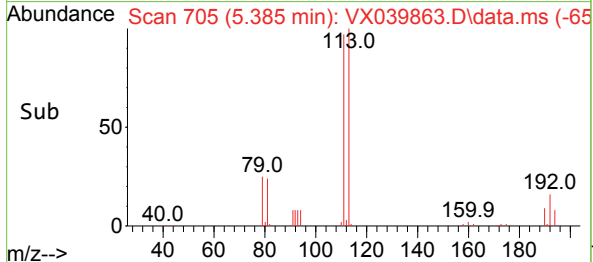
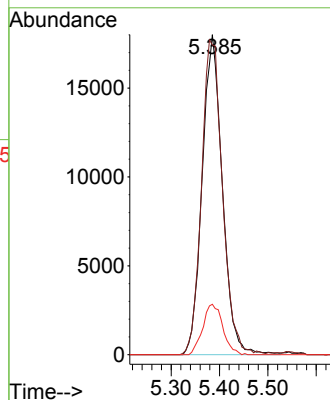
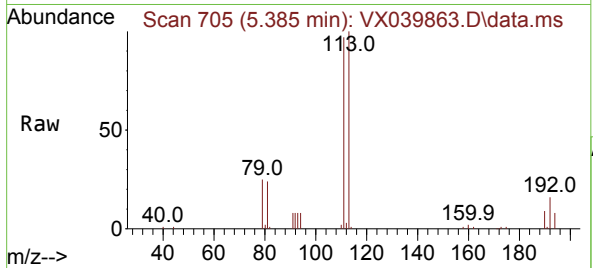




#35
Dibromofluoromethane
Concen: 49.506 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

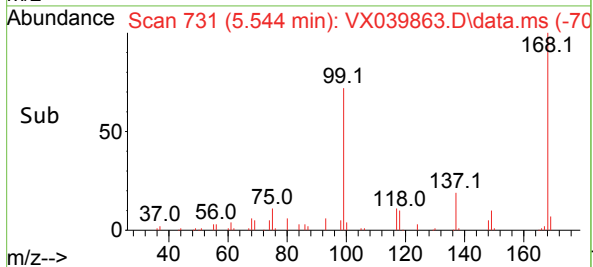
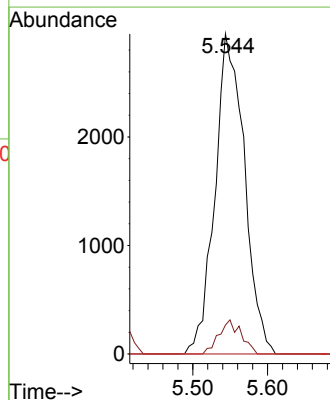
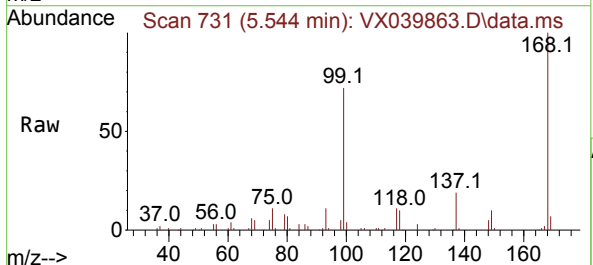
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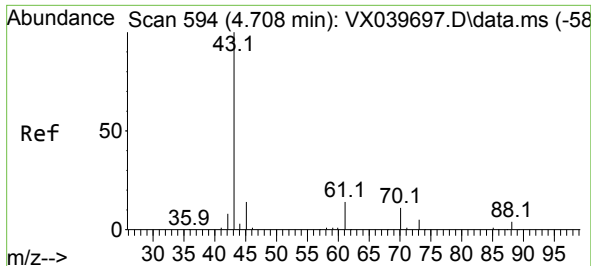
Tgt Ion:113 Resp: 52224
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 15.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.927 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 75 Resp: 8091
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.868 ug/l

RT: 4.727 min Scan# 594

Delta R.T. 0.018 min

Lab File: VX039863.D

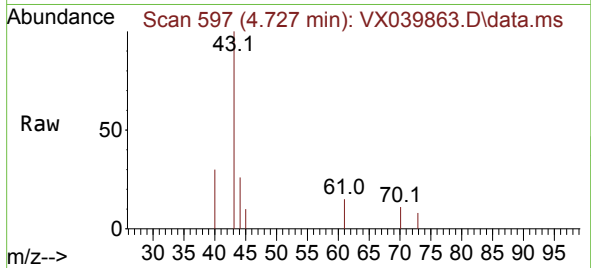
Acq: 20 Jan 2024 01:02

Instrument :

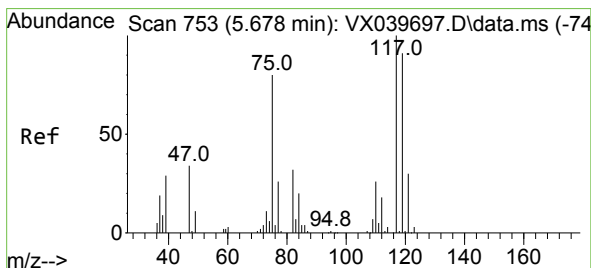
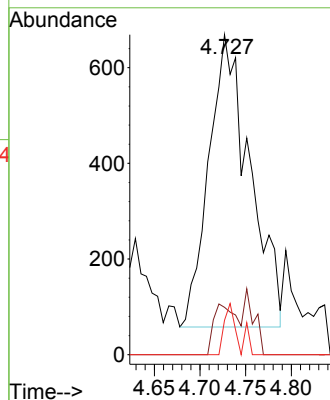
MSVOA_X

ClientSampleId :

PB158526ZHE#06



Tgt Ion:	43	Resp:	1902
Ion	Ratio	Lower	Upper
43	100		
61	9.8	10.6	16.0#
70	4.4	8.3	12.5#



#38

Carbon Tetrachloride

Concen: 5.991 ug/l

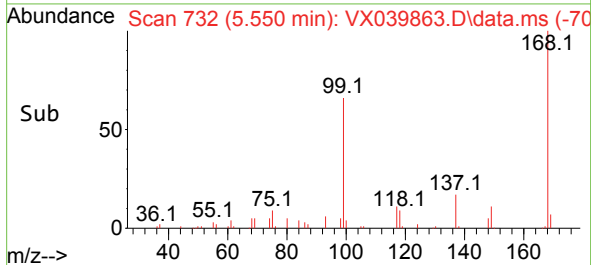
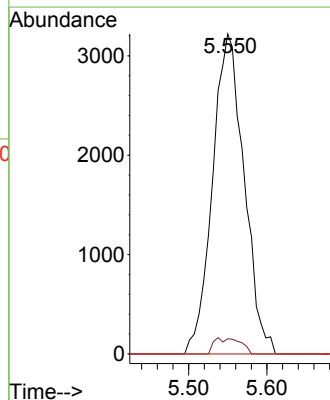
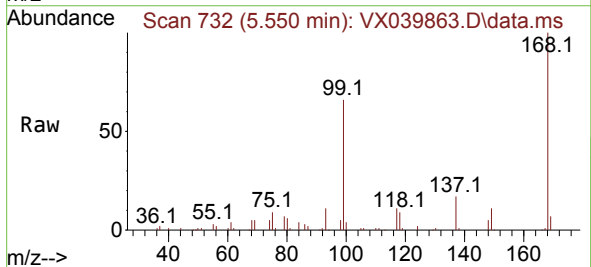
RT: 5.550 min Scan# 732

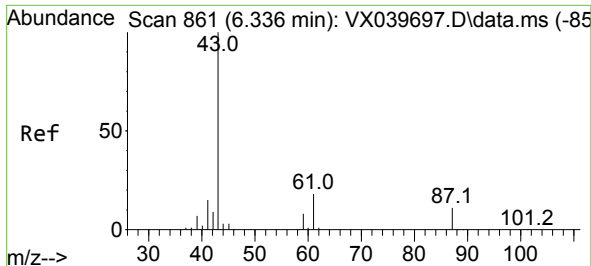
Delta R.T. -0.128 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

Tgt Ion:	117	Resp:	9010
Ion	Ratio	Lower	Upper
117	100		
119	4.7	78.2	117.2#
121	0.0	24.4	36.6#

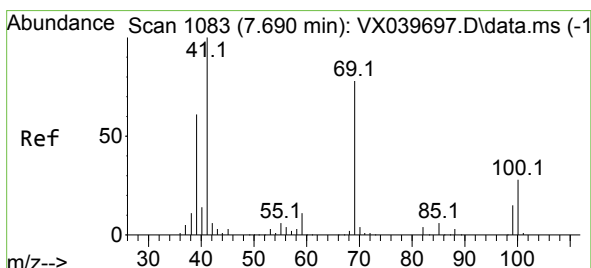
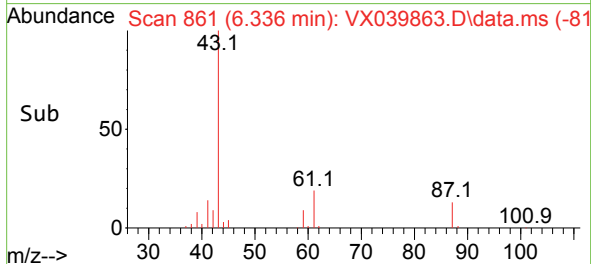
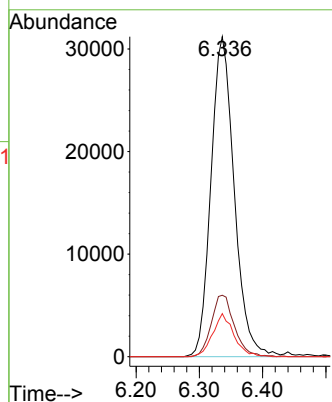
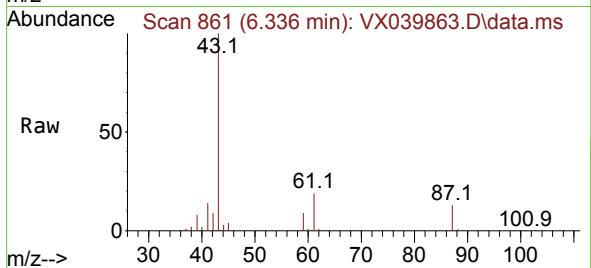




#43
Isopropyl Acetate
Concen: 24.772 ug/l
RT: 6.336 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

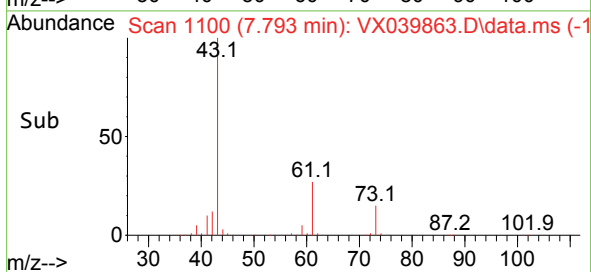
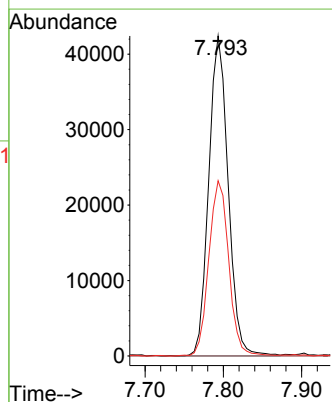
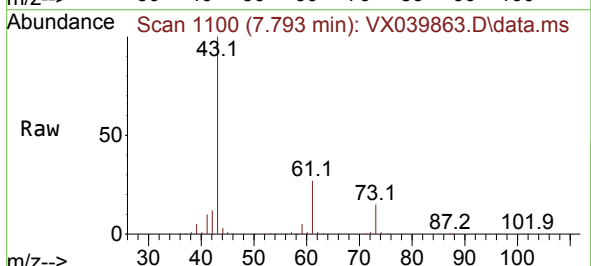
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

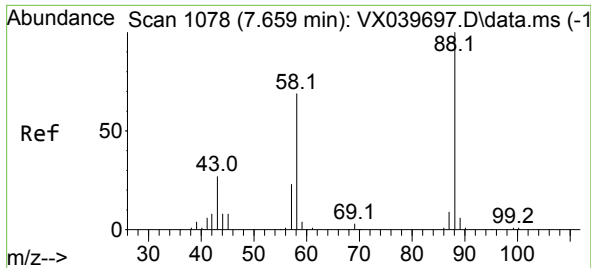
Tgt Ion: 43 Resp: 79603
Ion Ratio Lower Upper
43 100
61 19.0 15.2 22.8
87 12.3 9.8 14.6



#48
Methyl methacrylate
Concen: 46.205 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 41 Resp: 72983
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 56.3 47.7 71.5

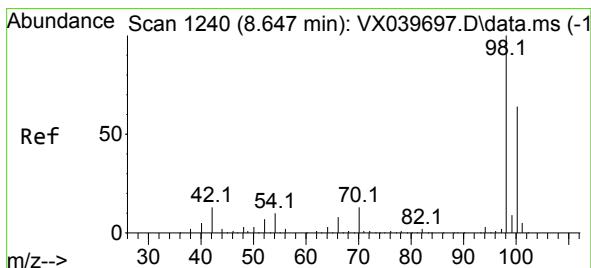
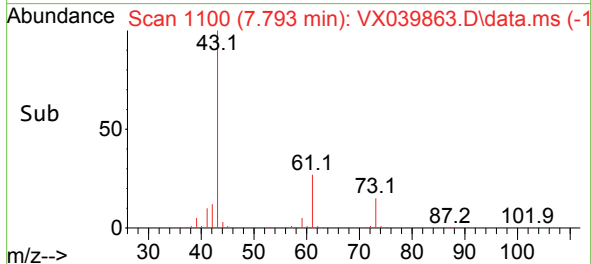
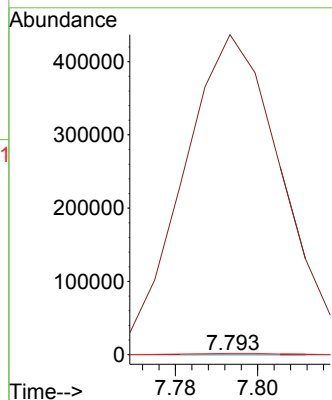
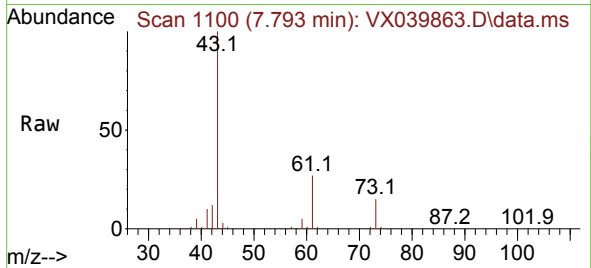




#49
1,4-Dioxane
Concen: 0.589 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

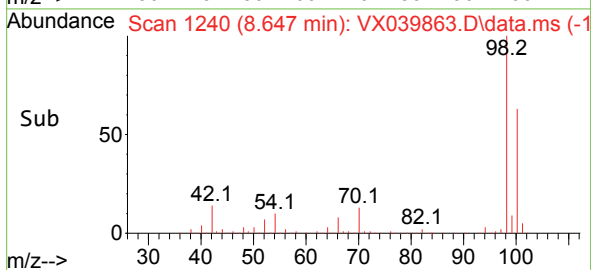
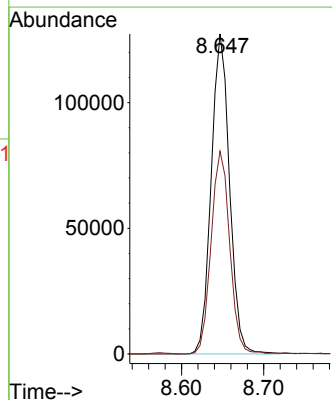
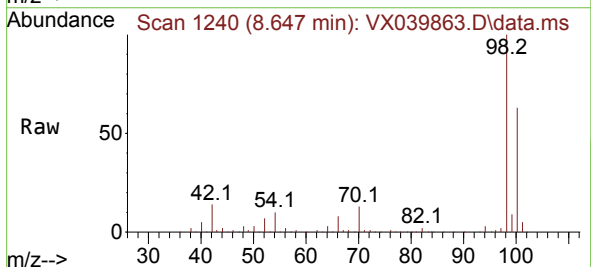
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

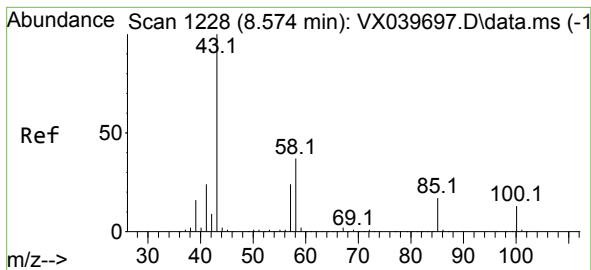
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 4166511.1 0.0 0.0#
58 17005.6 60.1 90.1#



#50
Toluene-d8
Concen: 49.520 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 98 Resp: 197025
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

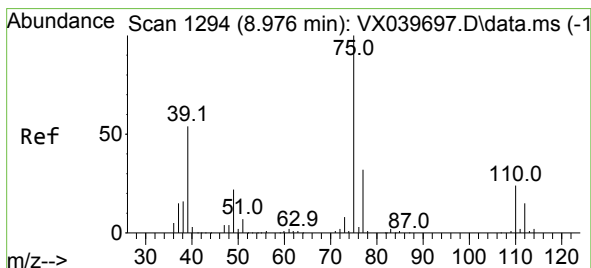
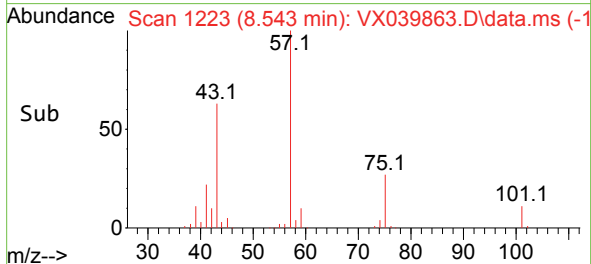
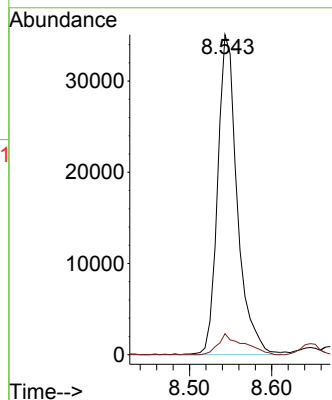
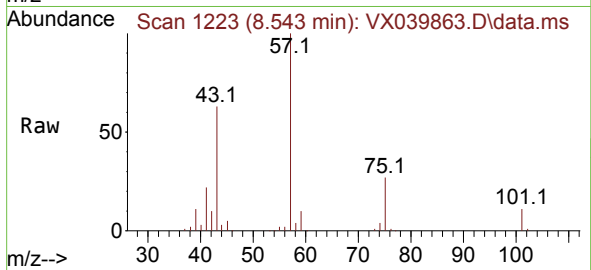




#51
4-Methyl-2-Pentanone
Concen: 26.269 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

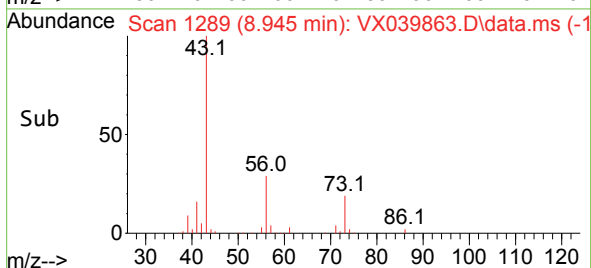
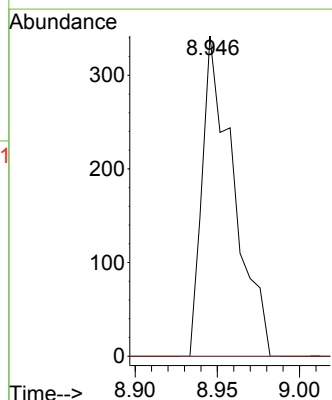
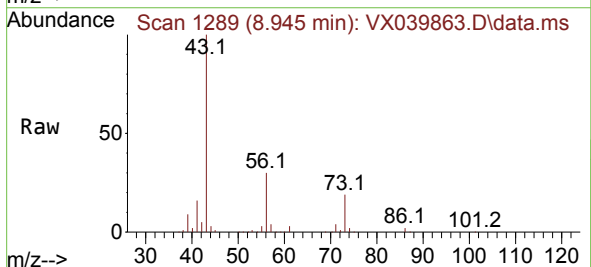
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

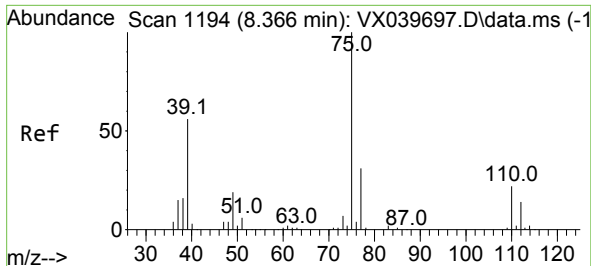
Tgt Ion: 43 Resp: 58138
Ion Ratio Lower Upper
43 100
58 8.4 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.268 ug/l
RT: 8.945 min Scan# 1289
Delta R.T. -0.030 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 75 Resp: 453
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

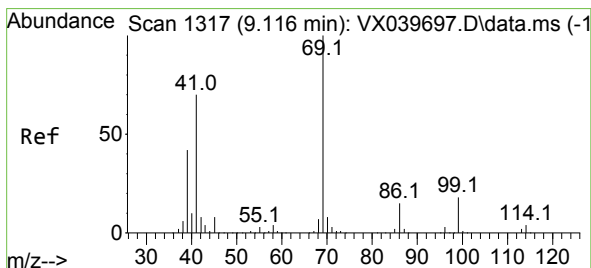
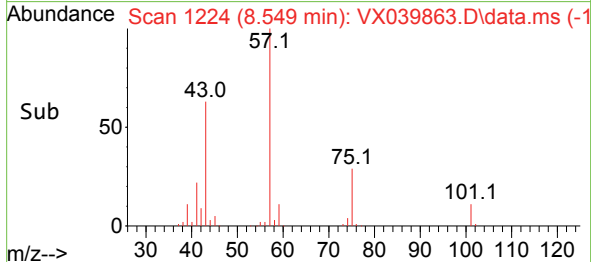
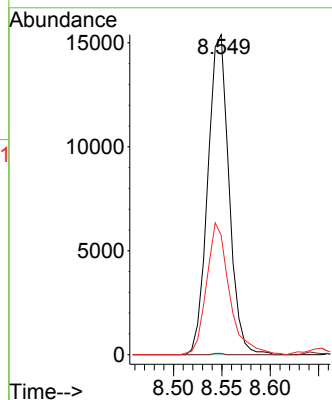
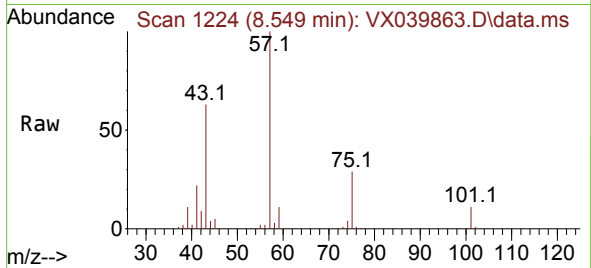




#54
cis-1,3-Dichloropropene
Concen: 12.576 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

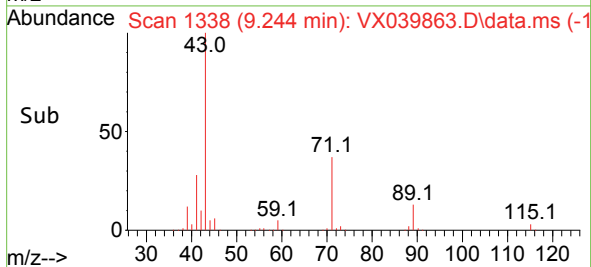
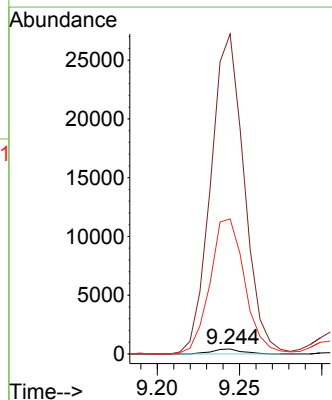
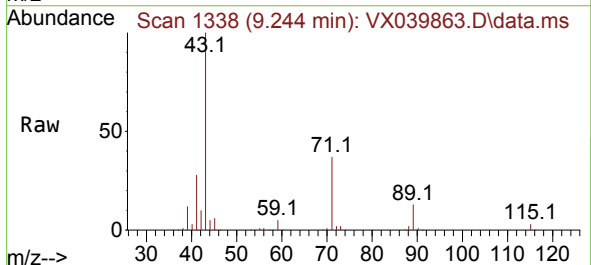
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

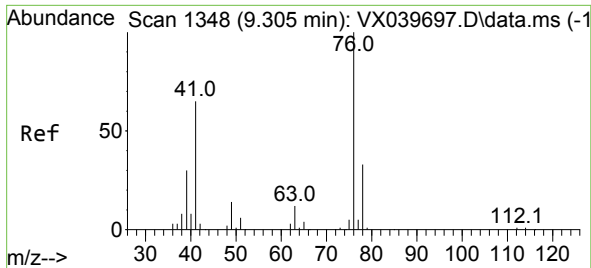
Tgt Ion: 75 Resp: 23413
Ion Ratio Lower Upper
75 100
77 0.4 25.3 37.9#
39 37.3 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.281 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 69 Resp: 538
Ion Ratio Lower Upper
69 100
41 7165.1 56.8 85.2#
39 3147.6 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.624 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

Instrument :

MSVOA_X

ClientSampleId :

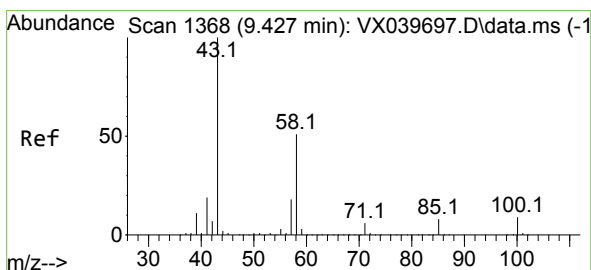
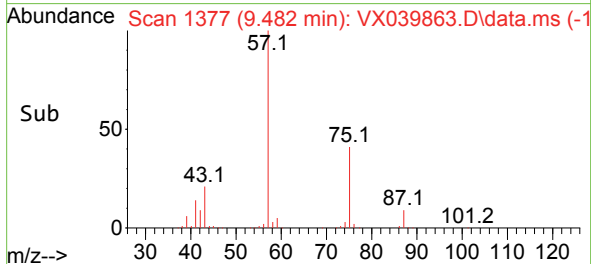
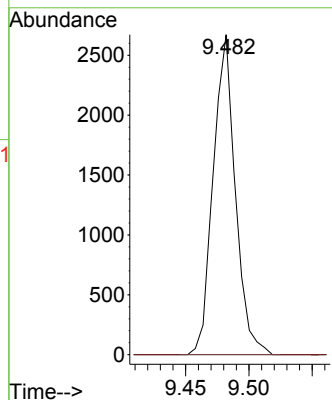
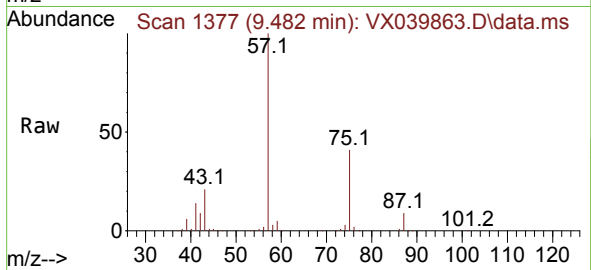
PB158526ZHE#06

Tgt Ion: 76 Resp: 3254

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 27.038 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX039863.D

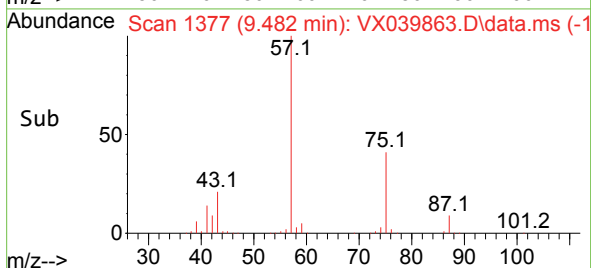
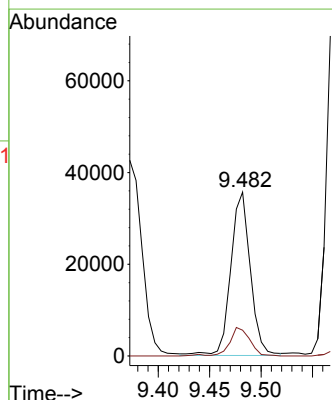
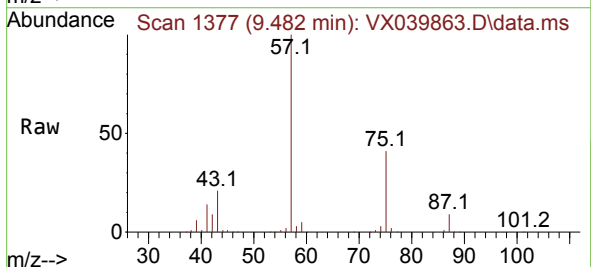
Acq: 20 Jan 2024 01:02

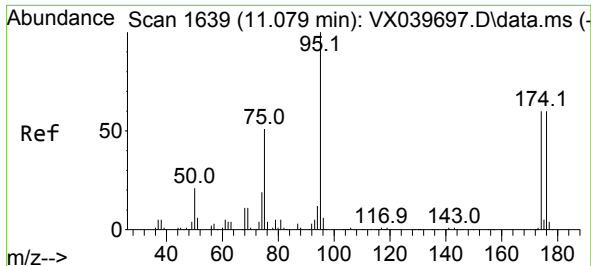
Tgt Ion: 43 Resp: 47360

Ion Ratio Lower Upper

43 100

58 17.5 26.2 78.5#

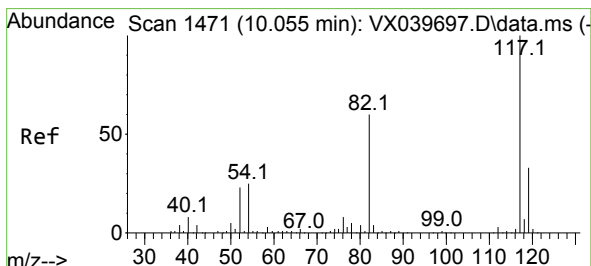
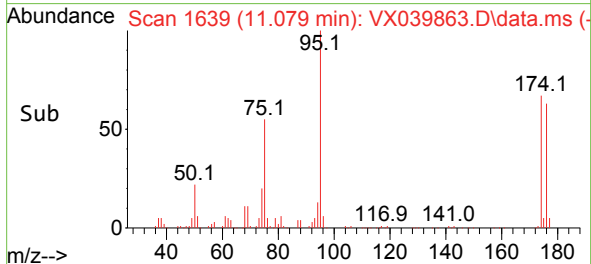
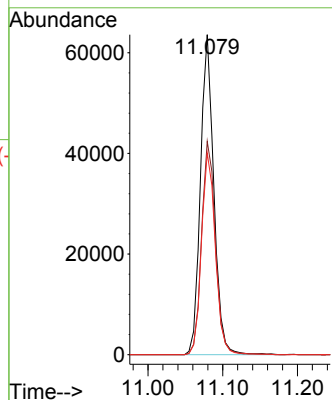
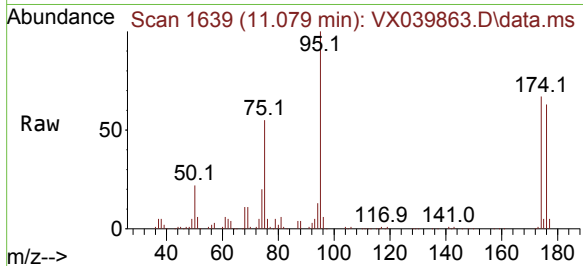




#62
4-Bromofluorobenzene
Concen: 50.803 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

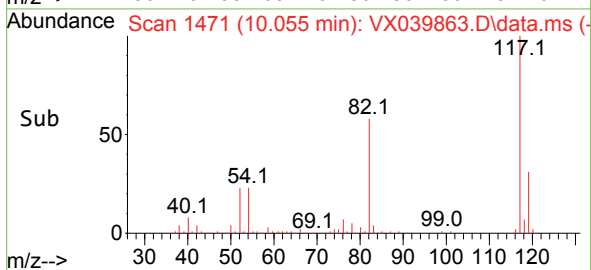
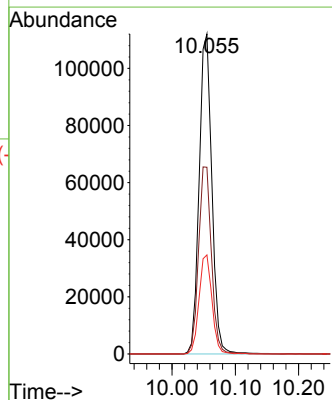
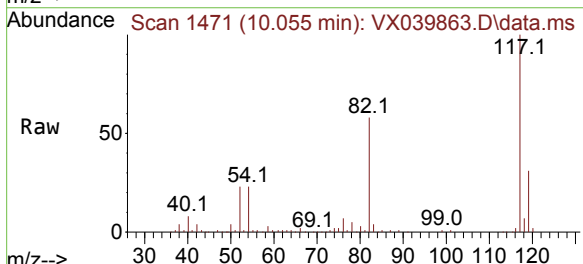
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

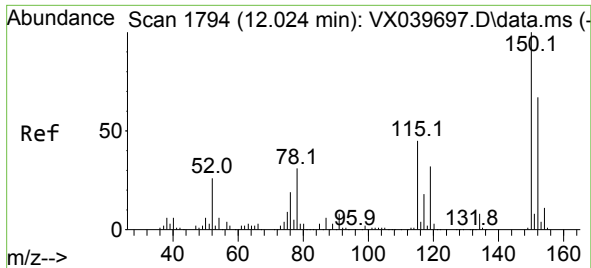
Tgt Ion: 95 Resp: 79042
Ion Ratio Lower Upper
95 100
174 69.1 0.0 135.6
176 65.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 117 Resp: 156636
Ion Ratio Lower Upper
117 100
82 58.4 46.2 69.4
119 31.0 25.5 38.3

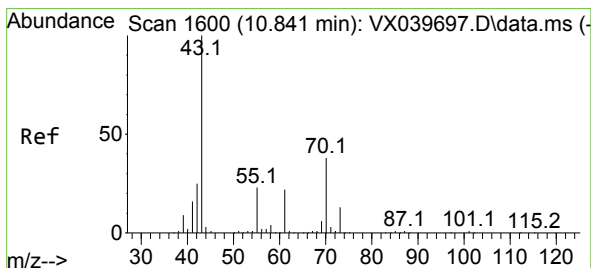
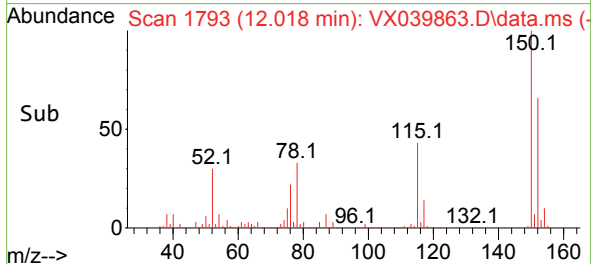
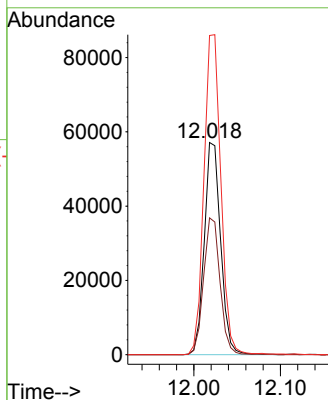
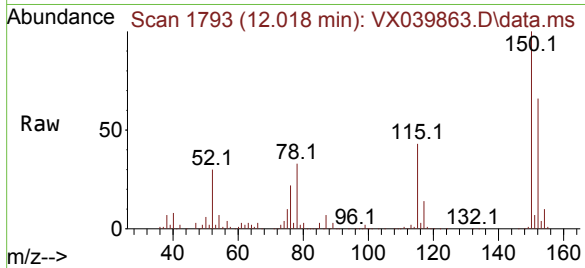




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

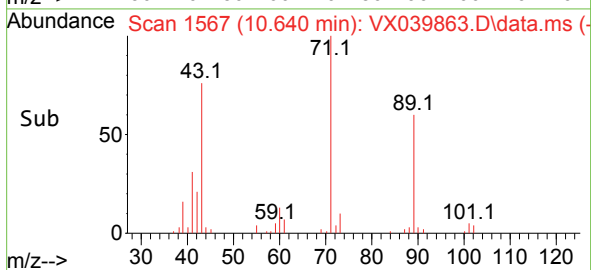
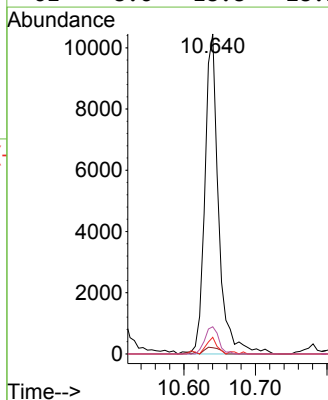
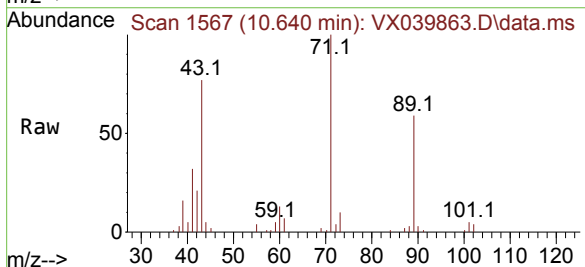
Instrument :
MSVOA_X
ClientSampleId :
PB158526ZHE#06

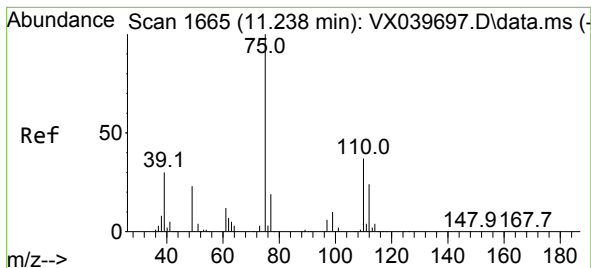
Tgt Ion:152 Resp: 74938
Ion Ratio Lower Upper
152 100
115 64.8 43.3 129.9
150 156.2 0.0 345.0



#74
N-ethyl acetate
Concen: 4.492 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX039863.D
Acq: 20 Jan 2024 01:02

Tgt Ion: 43 Resp: 13971
Ion Ratio Lower Upper
43 100
70 2.3 32.9 49.3#
55 4.3 19.3 28.9#
61 8.6 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.692 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

Instrument :

MSVOA_X

ClientSampleId :

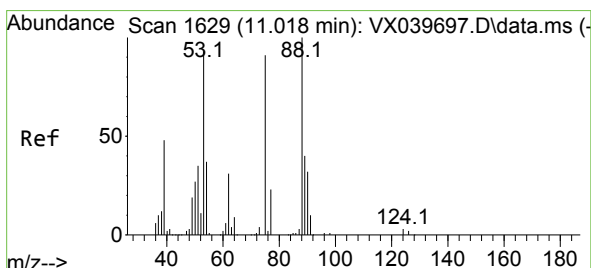
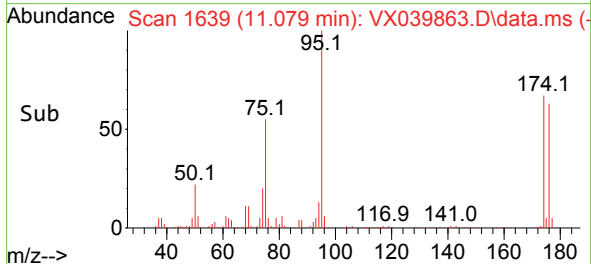
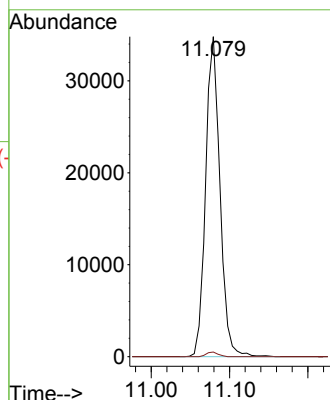
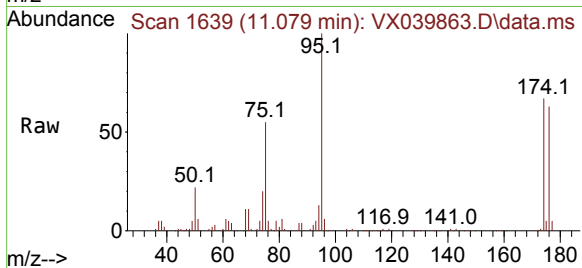
PB158526ZHE#06

Tgt Ion: 75 Resp: 44086

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.626 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039863.D

Acq: 20 Jan 2024 01:02

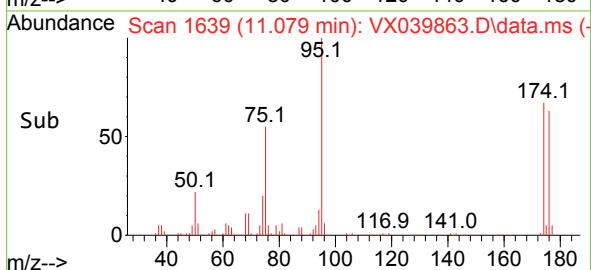
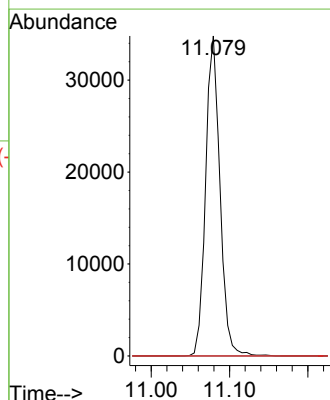
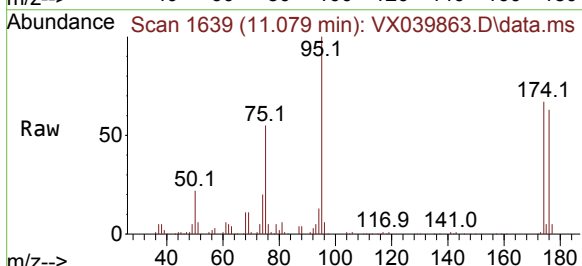
Tgt Ion: 75 Resp: 44086

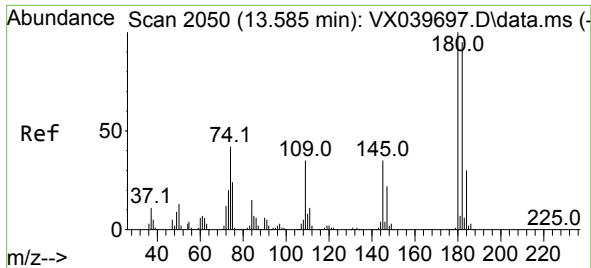
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.298 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039863.D

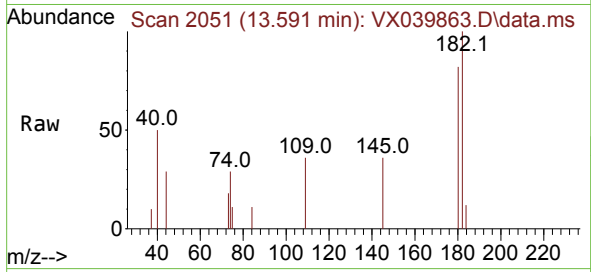
Acq: 20 Jan 2024 01:02

Instrument :

MSVOA_X

ClientSampleId :

PB158526ZHE#06



Tgt Ion:180 Resp: 458

Ion Ratio Lower Upper

180 100

182 127.9 48.3 144.8

145 36.2 18.0 54.0

